

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 91-024

AMENDMENT TO ORDER 89-027 SITE CLEANUP REQUIREMENTS:

SILICONIX, INC.
2201 LAURELWOOD ROAD
SANTA CLARA, CA 95054
SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board) finds that:

1. Siliconix, Inc. owns and operates a semiconductor wafer manufacturing facility located at 2201 Laurelwood Road, Santa Clara, Santa Clara County. Siliconix, Inc. is hereinafter referred to as the discharger.
2. The Siliconix facility is located on about twelve (12) acres of land near the intersection of the Montague Expressway and Bayshore Freeway (Route 101). This is an area of flat to gentle relief in the southern San Francisco Bay region, within the Santa Clara Valley groundwater basin.
3. Investigation at the Siliconix facility began in 1987. Additional investigation since Order No. 89-027 was adopted by the Board in 1989 has established the existence of groundwater polluted with a variety of solvents and some hydrocarbon components. The groundwater pollution has been confirmed in the upper two water bearing zones (less than 40 feet below ground surface) onsite and extending downgradient offsite for less than four hundred feet.
4. Initial site cleanup requirements for this site were adopted in February 1989. The discharger has completed further investigation including the installation and monitoring of wells on the neighboring downgradient property owned by Maskatiya and Suri Co., Inc. (MSI). Siliconix filed a petition for protection from debtors in early 1990. Following this action by Siliconix, Maskatiya and Suri denied further access to their property in May of 1990 due to potential liability concerns. Up to this time Siliconix had been in compliance with Order No. 89-027.

An agreement was finalized in December 1990 between Siliconix, Inc. and MSI to allow further access to the affected property. Based on existing data, access to this property is necessary for remediation and control of the groundwater pollution plume. Additional conflicts have since arisen between Siliconix and MSI (see Appendix C, correspondence of January 28, 1990) that further jeopardizes the progress of remediation of the offsite plume.

5. The intent of this amendment is to modify task submittal dates required under Order 89-027. These modifications are necessary in consideration of delays caused by the inaccessibility of

the downgradient property to Siliconix. Access is needed for installation of equipment for extraction well and piping for a groundwater treatment system and to allow ongoing groundwater and system monitoring. These components have been proposed by the Discharger as parts of an interim remedial action. This action is required under Board Order 89-027 and has been accepted by the Executive Officer as an interim remedial action.

Two tasks remain to be completed under Order No. 89-027; Provision C.1.Tasks 3 and 4. The submittal date for Task 3, Evaluation of Interim Remedial Actions, is August 15, 1990. Due to the access delay the interim remedial system will not be installed until February 1991 at the earliest. Therefore staff proposes that the submittal date for Task 3 be extended to July 1, 1991.

The submittal date for Task 4 under Order No. 89-027, Feasibility Study of Final Remedial Alternatives, is March 1, 1991. Due to the delays cited above and the proposed revised submittal date for Task 3, staff proposes a revised submittal date of February 1, 1992 for Task 4.

6. The submittal dates proposed above are based on anticipated installation and startup of the groundwater extraction system by April 1, 1991. Since the site access dispute may not have been entirely resolved it is possible that additional delays in installation and startup of the groundwater extraction system may occur. Therefore staff would propose allowing the Executive Officer to assign new submittal dates of 3 months after system startup for Provision C.1.Task 3 and 11 months after system startup for Provision C.1.Task 4 of Order 89-027. This would be dependent upon staff review and Executive Officer approval of a report documenting the cause and source of any further delays in system startup. All other Prohibitions, Specifications and Provisions of Order 89-027 shall remain in force.
7. The Board, in a public meeting on February 20, 1991, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the dischargers, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

The Provisions of Order No. 89-027 shall be amended as follows:

TASK 3: EVALUATION OF INTERIM REMEDIAL ACTIONS:

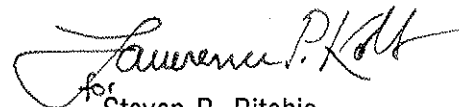
Should startup of the groundwater extraction system be delayed beyond April 1, 1991 the discharger shall submit a report acceptable to the Executive Officer, within thirty (30) days of system startup, documenting the reason for any delay in system startup.

COMPLETION DATE: Shall be changed from August 15, 1990 to July 1, 1991, or three months after system startup with the approval of the Executive Officer.

TASK 4: FEASIBILITY STUDY OF FINAL REMEDIAL ALTERNATIVES:

COMPLETION DATE: Shall be changed from March 1, 1991, to February 1, 1992, or eleven months after system startup with the approval of the Executive Officer.

I, Steven R. Ritchie Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on February 20, 1991.


for
Steven R. Ritchie
Executive Officer